

What is claimed is:

1. A recording device for recording musical information of a music piece onto a recording medium having address information previously recorded thereon, said device comprising:

tempo designation means for designating a tempo of a music piece to be recorded;

meter designation means for designating meter of said music piece;

rhythm generation means for generating, in light or sound, a rhythm corresponding to the tempo and meter designated by said tempo and meter designation means;

start timing instruction means for instructing timing to start performance of said music piece;

input means for inputting musical information of said music piece;

music piece recording means for recording, onto the recording medium, the musical information of said music piece input by said input means;

start address retrieval means for retrieving, as a start address of said music piece, the address information read out from the recording medium when the timing to start performance of said music piece is instructed by said instruction means, and

tempo, meter and start address recording means for

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recording, onto a predetermined recording area of the recording medium, information indicative of the tempo and meter designated by said tempo and meter designation means and the start address retrieved by said retrieval means.

2. A reproducing device for reproducing recorded information from a recording medium having musical information of a music piece recorded thereon along with associated address information and also having other information indicative of a tempo, meter and start address of the music piece recorded on a predetermined recording area thereof, said device comprising:

reading means for, prior to reproduction of the music piece, reading the information indicative of the tempo, meter and start address from the predetermined recording area of the recording medium;

reproduction means for reproducing the musical information of the music piece along with the associated address information;

measure number calculation means for calculating a measure number n being currently reproduced, by performing an arithmetic operation of

$$n = \text{INT} \{ (T_a - T_s) / N \cdot t \} + 1$$

where T_s represents in seconds the start address of the music piece read by said reading means, T_a represents in

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seconds an address being currently reproduced, N represents the meter read by said reading means, t represents in seconds the tempo read by said reading means and $\text{INT} \{ (T_a - T_s) / N \cdot t \}$ represents an integer part of $(T_a - T_s) / N \cdot t$, and

measure number display means for displaying the measure number calculated by said calculation means.

3. A reproducing device for reproducing recorded information from a recording medium having musical information of a music piece recorded thereon along with associated address information and also having other information indicative of a tempo, meter and start address of the music piece recorded on a predetermined recording area thereof, said device comprising:

reading means for, prior to reproduction of the musical information of the music piece, reading the information indicative of the tempo, meter and start address of the music piece from the predetermined recording area;

reproduction means for reproducing the musical information of the music piece along with the associated address information;

measure number designation means for designating a measure number in the music piece;

measure start address calculation means for cal-

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culating a start address T_a of the measure number designated by said measure designation means, by performing an arithmetic operation of

$$T_a = T_s + (n - 1) \cdot N \cdot t$$

where T_s represents in seconds the start address of the music piece read by said reading means, n represents the measure number designated by said designation means, N represents the meter read by said reading means and t represents in seconds the tempo read by said reading means, and

measure start address search means for searching, on the recording medium, for the measure start address calculated by said calculation means so that reproduction of the music piece is started at the calculated measure start address.

4. A recording medium having musical information of a music piece recorded thereon along with associated address information and also having other information indicative of a tempo, meter and start address of the music piece recorded on a predetermined recording area thereof.

5. A multichannel recorder for recording musical information onto a recording medium comprising:

mixing means for supplying externally input musical signals to recording channel inputs of channels op-

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tionally designated from among plural channels of the recording medium;

part information input operation means for inputting part information indicative of performance parts of the externally input musical signals;

recording and reproduction control means for recording, onto a table-of-contents information recording area of the recording medium, the part information input by said operation means as part information for the designated channels, and reproducing said part information from said table-of-contents information recording area, and

display means for displaying the part information for each of the channels reproduced from said table-of-contents information recording area of the recording medium.

6. A multichannel recorder as defined in claim 1 wherein said mixing means is constructed to mix the musical signals reproduced from plural channels optionally designated for reproduction from among the channels of the recording medium, so as to supply the mixed musical signals to a recording channel input of another channel optionally designated for recording from among of the channels, and wherein said recording and reproduction control means synthesizes the part information of said

channels optionally designated for reproduction among the part information reproduced from the table-of-contents area of the recording medium, so as to automatically record the synthesized part information as part information for said other channel designated for recording.
